

Section 828

(F) Sealing Joints

Seal all contraction and expansion joints, except otherwise specified, before the backfill is placed.

Thoroughly clean the joint to remove all foreign matter. Dry joints before sealing.

Entirely fill joints to within 1/8" to 1/4" of the surface of the concrete with joint sealer. Immediately remove any sealer spilled on the surface of the concrete.

Place joint sealer with equipment meeting the specifications of the manufacturer of the sealer material.

825-11 MEASUREMENT AND PAYMENT

There will be no direct payment for the work covered by this section.

Payment at the contract prices for the various items covered by those sections of the *Standard Specifications* directly applicable to the work being constructed will be full compensation for all work covered by this section.

SECTION 828 TEMPORARY STEEL COVER FOR MASONRY DRAINAGE STRUCTURES

828-1 DESCRIPTION

Install temporary steel plate covers on masonry drainage structures in accordance with the details shown in the plans and as directed.

828-2 MATERIALS

Provide materials that are Grade A36 steel and the size and thickness shown on the detail in the plans.

828-3 MEASUREMENT AND PAYMENT

Temporary Steel Plate Covers for Masonry Drainage Structures will be measured and paid in units of each for the actual number of these items incorporated into the completed and accepted work.

Payment will be made under:

Pay Item	Pay Unit
Temporary Steel Plate Covers for Masonry Drainage Structures	Each

SECTION 830 BRICK MASONRY CONSTRUCTION

830-1 DESCRIPTION

This work consists of the general requirements for all unreinforced brick masonry construction. The requirements of Sections 838, 840 and 858 will prevail over any conflicting requirements of this section.

830-2 CONSTRUCTION METHODS

Construct all concrete footings and all other concrete elements of the structure in accordance with Section 825.

830-3 MORTAR

Machine mix mortar in accordance with Article 1040-8 for at least 90 seconds. Remove and dispose of any mortar that has developed initial set or lost plasticity.

830-4 LAYING BRICK

Dampen brick when necessary to reduce the rate of absorption. Build brick masonry plumb and true to the required dimensions. Place a header course approximately mid height of the structure in structures less than 9 courses high. Place a header course every third course on structures 9 courses high or higher. Use other types of bonding where indicated in the plans.

Completely fill brick joints and cavities with mortar. Make mortar joint thickness at least 3/8" and no more than 5/8". Finish joints that will remain exposed after backfill with a concave jointer. Flush cut all other joints.

Use spalls or bats only when shaping around irregular openings or when unavoidable to finish out a course. Place a full brick at the corner and place the bat in the interior of the course when necessary to finish out the course.

Clean spilled mortar from exposed exterior surfaces not backfilled.

830-5 PROTECTION FROM COLD WEATHER

Do not place masonry when the temperature is below 35°F unless adequate protection is provided by a pre-approved method.

When it is anticipated that the atmospheric temperature will fall below 35°F protect masonry, in accordance with Subarticle 420-7(C), for at least 3 curing days.

Define a "curing day" as any consecutive 24 hour period, beginning when the last masonry unit is placed in the completed structure, during which the air temperature adjacent to the structure does not fall below 40°F.

830-6 MEASUREMENT AND PAYMENT

There will be no direct payment for the work covered by this section.

Payment at the contract prices for the various items covered by those sections of the *Standard Specifications* directly applicable to the work being constructed will be full compensation for all work covered by this section.

SECTION 832**REINFORCED BRICK MASONRY CONSTRUCTION****832-1 DESCRIPTION**

This work shall consist of the general requirements for all reinforced brick masonry construction. The requirements of Section 838 will prevail over any conflicting requirements of this section.

832-2 CONCRETE CONSTRUCTION

Construct concrete footings and all other concrete elements of the structure in accordance with Section 825. Furnish and place reinforcement as shown in the plans and in accordance with Section 425. Use Class A concrete for footings unless otherwise indicated in the plans. Use Class B concrete in reinforcement cavities. Rod Class B concrete in reinforcement cavities to provide a dense, homogeneous concrete. Do not vibrate.

832-3 MORTAR

Machine mix mortar that meets Article 1040-9 for at least 90 seconds. Remove and dispose of any mortar that has developed initial set or lost plasticity.

832-4 LAYING BRICK

Dampen brick when necessary to reduce the rate of absorption. Construct the type of bond called for in the plans. Build reinforced brick masonry plumb and true to the required dimensions.